

Integrated circuits, assemblies with integrated circuits, display devices and electrical circuits. There are various different aspects and embodiments of these apparatuses described herein. According to one aspect, a display device includes a plurality of

display drivers which includes a serial shift register, wherein the display drivers are located in the display area of the display device which is viewable. According to another aspect, an integrated circuit, which has a plurality of functionally symmetric interface pads, includes an instruction decoder which decodes instructions received through at least one of the pads. In another aspect, an integrated circuit (IC) includes a position detector which detects a position of the IC relative to a receptor substrate and provides a signal which is determined by the position; this IC may be used in an assembly which includes the receptor substrate. In another aspect, an IC includes a position detector which detects a position of the IC relative to a receptor substrate and also includes a configurable pad which is configurable, depending upon the position as one of at least two of the following: an input pad, an output pad, or a no-operation pad. According to another aspect, a layout of an IC has a plurality of functionally symmetric interface pads wherein two such pads are configurable pads. According to another aspect, an assembly includes a receptor substrate and an IC attached to the substrate, and the IC includes a first logic circuit which provides a first function, a second logic circuit which provides a second function, and a selector which selects between the two functions such that the IC performs only the selected function. Other aspects and methods are also described.